

CLAIMS

I claim:

1. A prefabricated panel comprising:

5 a ribbed interior skin having a predetermined thickness, two opposed and substantially vertical edges, and two opposed and substantially horizontal edges defining thereby the size of said panel;

a flat exterior skin having a predetermined thickness; and

10 a core of predetermined thickness said core having two opposing surfaces, one said surface shaped to fit within said ribbed interior skin, and sized substantially the same as and securely affixed to said ribbed interior skin and one said surface flat and securely affixed to said flat exterior skin.

2. The prefabricated panel according to claim 1 wherein said ribbed interior skin is metal material.

3. The prefabricated panel according to claim 1 wherein said exterior skin is fiberglass sheet material.

4. The prefabricated panel according to claim 1 wherein said core is foam material.

5. The prefabricated panel according to claim 1 wherein said two opposed and substantially vertical edges are terminated at the mid-way point of one of said ribs.

6. The prefabricated panel according to claim 1 wherein said core fitted to said ribs comprises a slot formed in said core.

7. A process for joining two prefabricated panels to each other, said panels being rectangular, ribbed, and terminated on at least one edge for each panel at mid-rib, at said edge comprising:  
 30 abutting one said panel against another said panel at said mid-rib edges to form a joint;  
 affixing a cap over said mid-rib edges and said joint; and  
 securing said cap.

8. The process according to claim 7 wherein multiple said caps are affixed at regular intervals to said panels at said mid-rib edges and joint.

9. A process for joining two prefabricated panels to each other, said panels being rectangular, ribbed, and terminated on at least one edge for each panel at mid-rib, at said edge comprising:

abutting one said panel against another said panel at said mid-rib edges to form a joint; and connecting said two panels by use of a ramlock device.

5 10. The process according to claim 9 wherein multiple said ramlocks are inserted at regular intervals through said panels at said mid-rib edges and joint.

10 11. A process for joining two prefabricated panels to each other, said panels being rectangular, ribbed, and terminated on at least one edge for each panel at mid-rib, at said edge comprising:  
abutting one said panel against another said panel at said mid-rib edges to form a joint; and  
connecting said two panels by use of an adjustable grommet device.

12. The process according to claim 11 wherein multiple said adjustable grommets are inserted at regular intervals through said panels at said mid-rib edges and joint.

15 13. A process for joining two prefabricated panels to each other, said panels being rectangular, ribbed, and terminated on at least one edge for each panel at mid-rib, at said edge comprising:  
abutting one said panel against another said panel at said mid-rib edges to form a joint; and  
connecting said two panels by use of a ramlock tube device.

20 14. The process according to claim 13 wherein multiple said ramlock tubes are inserted at intervals through said panels at said mid-rib edges and joint.